



AGENDA STAFF REPORT

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Agenda Number: F
File ID: 0426.2717

Section Name: CONSENT CALENDAR
Project ID: DW1704

MEETING DATE: February 14, 2023

SUBJECT: Authorize Task Order No. 3 to Albert A. Webb Associates for Engineering Services for the Dale Kiler Road Water Main Replacements Project

TO: BOARD OF DIRECTORS

FROM: ENGINEERING/DOMESTIC WATER/GENERAL DISTRICT, CARRIE OLIPHANT

**GENERAL MANAGER
RECOMMENDATION:**

RECOMMENDATION:

Authorize the General Manager to execute Task Order No. 3 to the Biennial Professional Services Agreement (PSA) with Albert A. Webb Associates in the amount of \$28,697.00 to provide professional engineering services for issuing the updated Geotechnical Report and provide bidding support services for the Dale Kiler Road and North Shore Water Main Replacement Projects located in Mecca and North Shore.

It is also recommended that the Board authorize the following expenditures:

CVWD Project Management - \$10,000

The cumulative cost of this request is \$38,697.00

BUDGET IMPACT:

The total engineering design cost of the North Shore Water Main Replacement Project is \$206,507. The Project (DW1622) is included in the Domestic Water Fund Fiscal 2022-23 Capital Improvement Budget in the amount of \$6,000,000. The project is within budget, therefore a budget amendment is not necessary. The total engineering design cost for the Dale Kiler Water Main Replacement Project is \$145,100. The Project (DW1704) is included in the Domestic Water Fund Fiscal 2022-23 Capital Improvement Budget in the amount of \$10,000. A budget amendment in the amount of \$30,000 is being requested to cover the remaining costs for design and bidding phase assistance. Construction for both projects will be funded by USDA loans. Therefore, there will be no adverse impact to the Domestic Water Fund Fiscal 2022-23 Capital Improvement Budget. Please see the Financial Summary Table attachment for more detail.

PROCUREMENT METHOD:

N/A

If other, please explain: .

BACKGROUND

The NSDK Project consists of the replacement of undersized and corroding water mains within the communities of North Shore and Mecca in order to improve water service and reliability for these communities. Both projects will be funded by the United States Department of Agriculture (USDA) Rural Development loans. Staff intends to bid both projects together in one contract in order to obtain more competitive bids while also reducing staff time managing one construction contract compared to managing two separate construction contracts along with the associated USDA funding and reporting requirements.

The North Shore Water Main Replacement project consists of constructing approximately 14,238 lineal feet of 8-inch diameter to 24-inch diameter water pipeline along Avenue 70 from Windward Drive to Reservoir No. 7101 (east of Sea View Way) and along Vander Veer Road from Grapefruit Blvd State Highway 111 to Avenue 70 in unincorporated Riverside County. This project will replace the existing 4-inch, 8-inch, and 12-inch diameter asbestos cement (ACP) and steel pipelines that are sixty-two (62) years old, deteriorated, undersized, and have had numerous leaks over the last several years. This community experiences limited fire flows due to the undersized pipelines. The replacement of the existing ACP and steel water mains with larger diameter ductile iron pipes will improve domestic water service and enhance fire protection for the community.

The Dale Kiler Road Water Main Replacement project consists of constructing approximately 13,195 lineal feet of 8-inch and 12-inch diameter PVC water mains and appurtenances within Dale Kiler Road and in nearby streets in Mecca. This project will replace the corroded ductile iron pipes (DIP) that were installed approximately thirty-two (32) years ago and have experienced numerous pipe failures in the past several years. These leaks result in an interruption of water service to our customers during repairs. A Pipeline Corrosion Evaluation (Evaluation) was prepared by Krieger & Stewart Consultants (K&S) in 2016, which included a portion of the Dale Kiler Water Main Replacement project. The Evaluation concluded that the ductile iron pipe is subject to additional leaks and failure due to ongoing external corrosion that is exacerbated by fluctuating groundwater in the area. Therefore, CVWD will be replacing the existing ductile iron pipelines with PVC pipe.

The previous Evaluation did not include geotechnical soil borings on all of the streets in which the pipe is being replaced. Therefore, before advertising for bids, the Engineer of Record recommended additional geotechnical soil borings to ensure up-to-date water level data on each street in order to determine if dewatering is required or not for the Dale Kiler Water Main Replacement Project.

PRIOR BOARD ACTION:

The board approved the solicitation of bids for the construction of the North Shore Water Main Replacement Project and Dale Kiler Road Water Main Replacement Project on March 8, 2022.

DISTRICT STRATEGIC PLAN GOAL(S)/OBJECTIVES(S):

Approval to authorize the work related to the North Shore Water Main Replacement and Dale Kiler Road Water Main Replacement Projects aligns with the CVWD core value of infrastructure investment and management.

ENVIRONMENTAL IMPACT:

Requesting bids for the project is not a "Project" under CEQA subject to CEQA review, as CVWD has made no commitment to the project construction. However, staff has analyzed the projects consistent with the Environmental Report required for grant funding including three technical appendices for Air Quality, Biological and Cultural Resources. The projects qualify for a categorical exemption per CEQA guidelines 15301 (Existing Facilities) and 15302 (Replacement or Reconstruction) and a Notice of Exemption will be drafted and filed with Riverside County following Board approval of construction at a future date.

PUBLIC NOTICE REQUIRED

N/A

LEGAL REVIEW

N/A

ATTACHMENTS

ATT 1 – Task order 3 with Webb and Associates

ATT 2 – Geotechnical borings proposal

ATT 3 –Dale Kiler Water Main Replacement Project bid support proposal

ATT 4 – North Shore Main Replacement Project bid support proposal

ATT 5 –BAI Exhibit

ATT 6 – Budget Amendment